



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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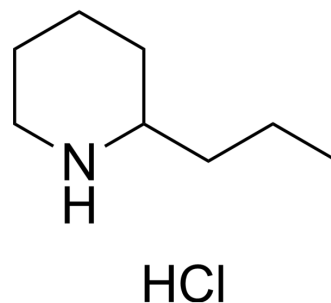
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## (±)-Coniine hydrochloride

<b>Cat. No.:</b>	HY-W099757
<b>CAS No.:</b>	15991-59-0
<b>Molecular Formula:</b>	C <sub>8</sub> H <sub>18</sub> ClN
<b>Molecular Weight:</b>	163.69
<b>Target:</b>	nAChR
<b>Pathway:</b>	Membrane Transporter/Ion Channel; Neuronal Signaling
<b>Storage:</b>	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 25 mg/mL (152.73 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	6.1091 mL	30.5455 mL	61.0911 mL
	5 mM	1.2218 mL	6.1091 mL	12.2182 mL
	10 mM	0.6109 mL	3.0546 mL	6.1091 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

(±)-Coniine hydrochloride (2-Propylpiperidine hydrochloride) is a potent nAChR agonist with an EC<sub>50</sub> value of 0.3 mM. (±)-Coniine hydrochloride shows acute toxicity with an LD<sub>50</sub> value of 7.7 mg/kg<sup>[1]</sup>.

#### IC<sub>50</sub> & Target

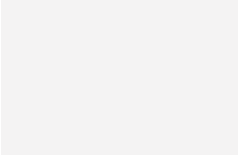
EC<sub>50</sub>: 0.3 mM (nAChR)<sup>[1]</sup>

#### In Vivo

(±)-Coniine hydrochloride (compound 1) (0.05 mg-0.2 mg; i.v.) shows acute toxicity with an LD<sub>50</sub> value of 7.7 mg/kg<sup>[1]</sup>. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Animal Model:	15-20 g, Swiss-Webster male mice <sup>[1]</sup>
Dosage:	0.05 mg-0.2 mg
Administration:	i.v.
Result:	Clinical signs was almost immediate after injection, beginning with piloerection, tailflicking, and rapidly progressing to intention tremors, clonic convulsions, muscular

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weakness, lateral recumbency, and death; shows acute toxicity with an LD<sub>50</sub> value of 7.7 mg/kg.

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## REFERENCES

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[1]. Lee ST, et al. Stereoselective potencies and relative toxicities of coniine enantiomers. Chem Res Toxicol. 2008 Oct;21(10):2061-4.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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